

# DIFFERENT PERSONS AS THEY RIDE IN DIFFERENT CARS

BY TAD



## LUBRICATING OILS SHOULD BE TESTED: METHODS ARE DESCRIBED

Motor Age Says Heat, Emulsion or Road Methods May Be Employed; Motorists Should Always Use High Grade Oil Best Adapted to Particular Car; Good Grades Will Vary.

THERE are a great many motorists and garage-men who are interested in knowing how to make tests of the lubricating oils to determine the actual value of these for the exacting work required of them within the internal combustion engine. Various factors have to be considered in determining whether one grade or brand of lubricant is better than another for the purpose, and while really simple tests are out of the question, there are some things that can be done with very little trouble which will stamp an oil as good or bad, says Motor Age.

Depending on whether or not an oil properly fulfills the functions for which it is put into the engine, the latter either will run efficiently or will be reduced to such a condition that it soon must be replaced. The lubricant affects the gasoline consumption, and, in short, a large proportion of present day engine troubles are directly traceable to the use of the wrong kind or grade of oil.

Therefore, it behooves every car owner and every man who sells cars or repairs them, to make sure that he is supplying or using the best oil he can obtain. He either must attain confidence in the brand he uses, or he must make sure of unknown brands by performing tests that will serve to indicate how good they are.

**Heat Test.**  
The reaction known as the heat test is very simple to make with any lubricating oil. Simply through it is, perhaps there is no other test, which indicates so decisively and so quickly the purity and degree of refining an oil, as well as its durability, when such an oil is subjected to the extreme high temperature met with in internal combustion engines.

The heat test consists of heating a sample of oil to a temperature of between 200 and 500 degrees Fahrenheit—depending upon the finish point—holding same at this temperature for a period ranging from 10 to 15 minutes. Two distinctive results are obtained:

1. A good durable oil shows a slight darkening to the extreme high temperature, but the color being only a darker shade, the oil still remaining clear and without sediment.

2. A poorly refined and impure oil shows an immediate alteration in color, quickly changing to a dense black as the heat is maintained, a black precipitate settles out. The quantity of the precipitate depends upon the impurity of the oil.

Just as different samples of oil, good or bad, retain their color or blacken

## TRAFFIC COPS, AS VIEWED BY MOTORISTS

By Richard H. Lee, in May Motor.

HAVE you ever driven through one of those smaller cities where the automobiles owned there are driven wild, where they come tearing from driveways and side streets in a manner that causes your hair to stand on end? Of course, you have. And then you get to the next big city, and the cars are driven in orderly style along the right side of street, and where arms are extended to signal breaks in the procession, didn't the big traffic cop at the corner look good to you? You just let him die.

You remember that afternoon you were anxious to get back to the office, you caught on the tail of the procession going east to west at the intersection just as the traffic cop blew for traffic to move north and south? And the bull came over and wanted to know what you meant by going against his orders, and did you want to ride down to see the lieutenant? And you called him a big bonehead and asked him how you could smell when he was going to signal for you to stop, and you'd report him and get his buttons taken away from him?

How he asked us to expound the view of the policeman from the driver's seat. This invitation has been extended to me as chairman of the legislative committee of the American Automobile association. Writing from that angle I might tell how the bluecoat on the corner is the representation of law and order, how one should win his friendship and esteem and help him to help all the motorists, etc. I say I might write from that lofty angle, and then some carping, low-browed critic would want to know if I ever drove a car and if I ever saw a traffic cop, and whether we had the kind in town that they have in Mr. Critic's town.

**Motorist's Views.**  
Be that as it may, as George Monro used to say, "after driving due thought to the subject assigned me, I have come to the conclusion that the view of the cop by the motorist depends on several things. Among these are:

1. The condition of the motorist's digestive apparatus.  
2. Whether the engine is hitting on all 12 or whether he has to juggle his gears every time he wants to change pace a bit.  
3. The driving peculiarities of the woman in the electric just ahead.  
4. Objectively—whether some careless driver has run over the copper's toes and he is in a bad mood.  
5. With all of these conditions affecting one's mental vision, the task is rather complicated.

A general proposition, the relationship between traffic officer and motorist generally is growing more friendly. They no longer look at each other as deadly enemies, but as two who are both doing a job. Each is learning the human side and the limitations of the other, with a better understanding of each other's problems. The motorist appreciates that in many instances the traffic cop is his good friend; that the officer's fighting on the side of the greatest good for the greatest number.

**Conditions in Cleveland.**  
In writing this I realize conditions everywhere are not so satisfactory as in Cleveland. It is generally known throughout the country that Cleveland has been particularly happy. Once upon a time duty on fixed traffic post was a punishment for the patrolman assigned to that duty. Conditions have changed, and now a permanent, trained, experienced squad is chosen for this difficult work, and there is a waiting list of men who want to be on that duty. The police force is more than adequate, and in controlling a range of territory wider than that possible to the man on foot duty, the Cleveland squad has earned the admiration of all familiar with its effective methods.

I don't want there are exceptions to this rule. In some cities the men on traffic duty are "coppers" and nothing more. They are officious, belligerent, and obnoxious. The condition exists as a general rule, the motorists are partly to blame. They have not shown a proper appreciation of what a capable, friendly squad can do in the expediting of traffic.

**Some Exceptions.**  
There are exceptions to the rule of general capability, cornermen who are continually in hot water. I have one man in mind who had an upward corner. Ninety percent of the travel at that place moves east and west, and in the rush hours the traffic is practically all in one direction—either east or west. There is little traffic against the main current and an unappreciable minimum of turning. In spite of this comparatively easy situation, blockades were frequent. It didn't take long for motorists and the department heads to discover that the blocking was on the job there, and to make a change that has eliminated the blockades. Instead of continuous wrangling between drivers and the officer, as in the past there is now teamwork and co-operation with the man.

**Driver in the Wrong.**  
A traffic officer reprimanded me

## ROOM TO CORRECT MORE AUTO EVILS

Nashville Paper Suggests That Insurance Should Come In for Some Consideration.

AN El Paso motorist sends the following editorial, clipping from the Nashville, Tennessee. It may prove of much interest to the motorists of the southwest:

When the automobile became, so suddenly and so largely, a popular means of vehicle transportation, it was inevitable that there should grow up in connection with its operation a good many evils. Many of these evils have been eliminated, but a few of them persist and at least one or two will prove very difficult of eradication. Naturally enough, these most difficult ones to be rid of are the most dangerous ones.

It probably would have been well if no automobile had ever had a horn. The basic idea—that of warning people of the approach of the car—has, of course, been lost. It was borrowed from the operation of railroad trains and conditions are not similar. The railroad train runs on a track where every person who gets in front of it is a trespasser. The automobile runs on roads and streets where every pedestrian has equal right of way with it, and where great numbers of pedestrians are constantly passing.

The automobile horn has, in effect, given the automobile supreme right of way. Very largely, the driver depends upon his horn to warn pedestrians and horse-drawn vehicles out of the way. Instead of controlling his own speed in such a way as to avoid accidents and in most cases, the reason the warning of the horn fails, when the pedestrian fails to get into the clear quickly enough, an accident occurs, perhaps to the pedestrian, perhaps to the occupants of the car. For the average driver is anxious to avoid accidents and in most cases will take the risk of injury to himself rather than the certainty of injury to a pedestrian. The trouble is that he depends upon his horn until, too late, he realizes that the horn is a broken reed.

To many, the system of automobile insurance appears to be wrong and first. A man may not insure himself against the carelessness of others in the operation of automobiles, but he may insure himself against his own carelessness, so far as money loss goes. The owner of an automobile goes to an insurance agency and takes out a policy that indemnifies him against loss of judgment in damages that may be obtained against him for anything occurring in connection with the automobile. In some cases, restrictions are made in the policy. Some are in a license to carelessness. Some are in a license to carelessness. Some are in a license to carelessness.

Just how these evils are to be corrected is a problem. They are not, in fact, pure evils, for many persons who hardly agree that they are evils at all. They have their good features, but they do somewhat in a satisfactory solution of these may be found. It is not an accident, either, that insurance men give the matter some thought, to the end that a system of automobile insurance may be devised that, while it protects the owner as much as may be, does not tend to augment carelessness.

Russia is said to be the only nation whose people are actually growing more prosperous during the conflict.

## GREAT QUANTITY OF PETROLEUM IS STILL STORED UNDERGROUND

Expert Geologist Reports on Tampico Field and Asserts 14,000,000,000 Barrels Remain in Proved Area Though Percentage of Gasoline Is Reported As Very Low.

NOTWITHSTANDING various proposals to make motor fuel out of water by the magic addition of cheap chemicals, the earnest search for crude oil has not abated one whit. Wherever there are indications of oil the prospector is busy and in fields where actual development has taken place many new wells are being put down. Experts say that the production of oil will certainly be increased. By how large an amount remains to be seen.

The most remarkable story of immense underground storage of oil comes from Tampico, Mexico—that in that territory, at the present estimate, there is enough crude oil to afford a daily supply of 1,000,000 barrels for a period of nearly forty years.

The following is from the Oil, Paint and Drug Reporter:  
"It is claimed by American geologists who have visited the different oil-producing fields in the Tampico territory recently that it is now possible to make a reliable estimate of the underground oil contents of the several localities where production is now in progress. Several of the larger companies have had surveys of this kind made of their properties, and the figures which have been obtained are to the possible production of the Gulf coast region considered in the aggregate are so large as to almost challenge belief. Among the experts who have been employed in this work is L. C. White, state geologist of West Virginia, who spent some time going over the fields."

"All told, there are said to be approximately 14,000,000,000 barrels of oil in underground storage in the areas that have already been proved. In arriving at these figures the geologists consider the output of the different wells, the possible length of time they will continue production and the size of the proved fields. In view of the fact that the producing area of the Gulf coast region of Mexico is being constantly widened, it is entirely a matter of conjecture how much larger the available output may be than the estimates that are now given. Geologists say that it would not surprise them if the underground storage is several times 14,000,000,000 barrels. "Even at the present estimate there

is enough crude oil in this part of Mexico to afford a daily supply of 1,000,000 barrels for a period of nearly forty years. No oil region has ever been discovered in the world that begins to compare with the one here. The bringing in of wells of almost fabulous production is becoming such a common practice as to provoke little comment. It would seem almost impossible that 328,000 barrels of oil could find its way to the surface through a fourteen-inch hole in the ground during a period of twenty-four hours, but the well that was bored in the Cerro Azul field, near here, a few weeks ago, was shown to have that enormous output by actual measurement. It is by far the largest producing well ever brought in in the world. Great difficulty was experienced in capping the well.

"While the oil that is found in the different fields around Tampico is all of an asphaltic base and yields comparatively small quantities of gasoline, it is being refined and made to produce gasoline and various by-products on a considerable scale. Besides the large refineries and topping plants that are in operation here and which use big quantities of native crude oil, large shipments of the crude product are being made to refineries in Texas. Experiments are being made constantly with the view of discovering a method of obtaining a larger percentage of gasoline from the Mexican oil and it is believed that it will not be long before more or less success has been obtained along this line and that the problem of obtaining a practically unlimited supply of gasoline at cheap prices from this source will have been solved."

**COACH MOTORCYCLE MEN.**  
Two motorcycle experts with Gen. Pershing's forces in Mexico recently completed an adventurous ride of 350 miles as far as Casas Grandes with an Indian motorcycle equipped with a Goodyear "Bluestreak" tire. Both had lieutenant's commissions in order to instruct the soldiers riding the new motorcycles purchased for the army. A good deal of the riding was through desert sand, requiring great skill in handling the motorcycle. The sands of mesquite bushes were encountered. These bushes have thorns over an inch long, and many times the tires were rushed through beds of these thorns, yet the Bluestreaks came through without a scratch.

**Maxwell Assembling Plant May Come To El Paso This Fall**

A report has been current here all week that the Maxwell Motor corporation will erect an assembling plant in El Paso by fall, to take care of the rapidly growing business in this section.

The report has it that when O. E. Sherman, of the Maxwell staff, was here recently, he looked over several sites and reported to the factory. The local agents, the Bujuer Motor company, state that they have no advice on the matter and a wire to Mr. Sherman has brought no reply.

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